For Research Use Only

HIC5 Polyclonal antibody

Catalog Number:10565-1-AP Featured Product 8 Publications

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Basic Information

Catalog Number:
10565-1-AP

Size:
150ul , Concentration: 800 µg/ml by Nanodrop and 440 µg/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG0868

GenBank Accession Number:
BC001830

GeneID (NCBI):
7041

UNIPROT ID:
O43294

Full Name:
transforming growth factor beta 1 induced transcript 1

Calculated MW:
48 kDa

Observed MW:
48-50 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:1000-1:6000
IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IHC 1:20-1:200
IF/ICC 1:10-1:100

Applications

Tested Applications:
WB, IP, IF, IHC, ELISA

Cited Applications:
WB, IF, IHC

Species Specificity:
human, mouse, rat

Cited Species:
human, rat, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HeLa cells, A431 cells, mouse colon tissue, rat colon tissue

IP : A431 cells,

IHC : human spleen tissue,

IF/ICC : A431 cells,

Notable Publications

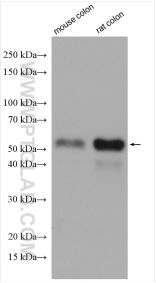
Author	Pubmed ID	Journal	Application
Xuanling Du	31740661	Cell Death Dis	IHC,IF
Ying He	35854639	Med Sci Monit	IHC
Liansheng Sha	33310972	Aging (Albany NY)	WB,IF,IHC

Storage

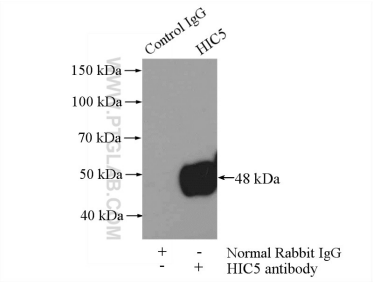
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

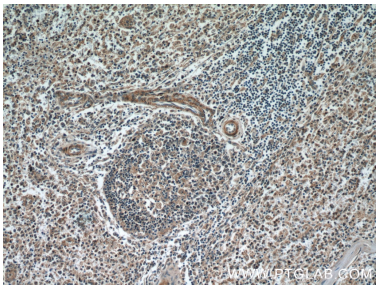
Selected Validation Data



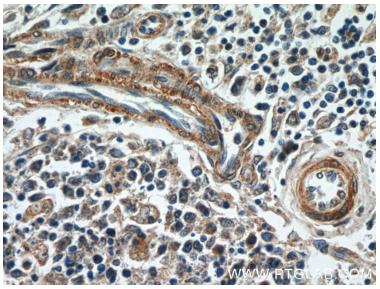
Various lysates were subjected to SDS PAGE followed by western blot with 10565-1-AP (HIC5 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



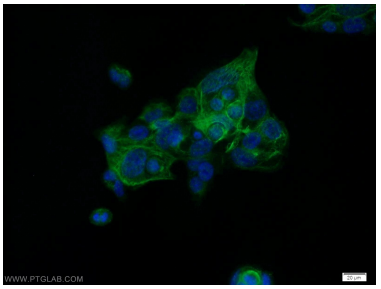
IP result of anti-HIC5 (IP:10565-1-AP, 4ug; Detection:10565-1-AP 1:500) with A431 cells lysate 1520ug.



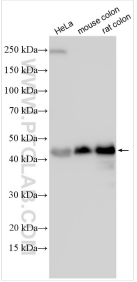
Immunohistochemical analysis of paraffin-embedded human spleen tissue slide using 10565-1-AP (HIC5 antibody at dilution of 1:50 (under 10x lens).



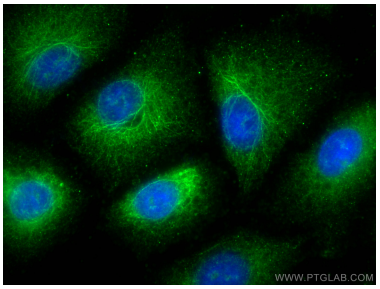
Immunohistochemical analysis of paraffin-embedded human spleen tissue slide using 10565-1-AP (HIC5 antibody at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of A431 cells using 10565-1-AP (HIC5 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 10565-1-AP (HIC5 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using HIC5 antibody (10565-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).